

Joint 8th Federal Interagency Sedimentation Conference And 3rd Federal Interagency Hydrologic Modeling Conference

April 2-6, 2006

Silver Legacy, Reno, Nevada

CALL FOR PAPERS

Abstracts due April 15, 2005

THEME: *Interdisciplinary Solutions for Watershed Sustainability*

BACKGROUND: The Federal Interagency Sedimentation Conferences (FISC) began in 1947, and the Federal Interagency Hydrologic modeling Conferences began in 1998. These highly successful conferences, which together have produced over 1800 papers, will be held jointly in April of 2006. The Joint Conference will provide Federal and non-Federal scientists and managers from various disciplines the opportunity to discuss recent accomplishments and progress in research and on technical developments in the physical, chemical, and biological aspects of sedimentation and the development and use of models addressing surface water quality and quantity issues. The Joint Conference will follow a mixed set of formats including formal presentations, poster sessions, mini-workshops, and model demonstrations.

TOPICS: About 270 papers and 70 poster and computer model demonstrations, incorporating results of recent research and technology development and/or applications and case studies, will be solicited for presentation on the following subjects as well as additional Sediment and Hydrologic Modeling related topics:

8th FISC	Joint	3rd FIHMC
Dam rehabilitations and removal	Watershed modeling	Environmental river management
Sediment yield and prediction tools for natural resources planning	Establishing standards for the evaluation of hydrologic models	Hydroecological modeling
Reservoirs sedimentation --Sedimentation surveys --Reservoir sediment management	Model calibration, sensitivity, uncertainty, and/or error propagation	Interagency cooperation in hydrologic modeling
Stream restoration --Design and implementation	Data sharing, information management, and/or automation	Sustaining and restoring river environments
Geomorphology --Fluvial, uplands, watershed	Global warming	Surface water - Ground water interaction models
Sediment and wildlife habitat	Using models in developing TMDLs	Water supply and resources in the West
Sediment surrogates	Flood hydrology	Hydroinformatics
Turbidity measurements and use	Climate change	Aquatic ecosystem modeling
Regulatory and voluntary sediment control program --Farm Bill conservation --Sediment TMDLs	Instrumentation to support sediment programs and hydrologic modeling in the 21st century	Modeling of major river systems
Sediment/carbon relationships	Monitoring and nonpoint source pollution	Modeling water quality transport processes
Development of sediment criteria and guidelines	New observations, data and monitoring programs for modeling	Roles of models in management and decision making
Sediment research	Identifying model parameters	Evolutionary computing

FIELD TRIPS and SHORT COURSES: Several field trips and short course are planned for before and after the conference.

Interdisciplinary Solutions for Watershed Sustainability

- ☐ Papers and posters which address the theme of the Joint Conference and directly support the responsibilities and missions of the Member Originations of the Subcommittees on Sedimentation and Hydrology of the Federal Advisory Committee on Water Information will be given preference.
- ☐ Authors wishing to present papers, posters, and/or participate in the computer model demonstration session are requested to submit an abstract of not more than 500 words. Indicate if you wish your work to be considered for the 8th FISC – Jerry Webb (Jerry.w.webb@hq02.usace.army.mil), for the 3rd FIHMC – George Leavesley (george@usgs.gov) or if it might fit either conference, submit the abstracts to Francisco Simoes (frsimoes@usgs.gov). Abstracts are to be submitted by email (message text only, no attached formatted file).
- ☐ Abstracts are due by April 15, 2005. Indicate which topic area the paper is to be considered for, and whether it will be an oral or poster presentation, or be part of the computer model demonstration session.
- ☐ Authors will be notified of selection and provided with format instructions by June 15, 2005. Camera-ready papers are due September 15, 2005.
- ☐ Final acceptance of papers will be provided to authors by November 10, 2005.
- ☐ Authors are responsible for obtaining clearance and approval of papers by their agencies and organizations prior to submission. Authors will be required to sign a clearance for publication. Joint Conference Proceedings will be printed and available at the start of the conference. Papers must be presented at the conference to be included in the proceedings.

Conference Information and Exhibits

CONFERENCE

Doug Glysson
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EXHIBITS

Joe Treadway
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ABSTRACTS (to be considered for either conference)

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8TH FISC ABSTRACTS

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3RD FIHMC ABSTRACTS

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EXHIBITS: An exhibit hall is planned. Exhibitors are being solicited in the following areas: Surface-water discharge, sediment, and water-quality data collection, recording, and analysis equipment and software; laboratory equipment; erosion control products; computer hardware and software for collection, distribution, and/or analysis of hydrologic data; surveying equipment, both for land and underwater use; computer models related to sedimentation and hydrology; and any other related equipment, services, or organizations, including professional societies, related to the theme of the Joint Conference.

WHO SHOULD ATTEND: Federal, State, and local agency personnel, consultants, researchers, equipment manufacturers, and service suppliers involved in water-resources, water-supply, or water-conservation assessment or management, especially those associated with hydrologic modeling, sedimentation, or non-point source pollution.

ORGANIZING COMMITTEE

Doug Glysson, Joint Conference Chair; USGS, 412 National Center Reston, VA, 20192, 703/648-5019, gglysson@usgs.gov
Paula Makar, Joint Operations Chair; USBR, DFC, PO Box 25007, D-8540, Denver CO 80225, 303-445-2555, pmakar@do.usbr.gov
Jerry Bernard, 8th FISC Chair; USDA-NRCS, P.O. Box 2890, Wash., DC 20013, 202/720-5356, jerry.bernard@usda.gov
Don Frevert, 3rd FIHMC Chair; USBR, DFC, PO Box 25007, D-8510, Denver CO 80225, 303-445-2473, dfrevert@do.usbr.gov